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Attorney Docket 0553-0499

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Ryoji NOMURA et al)
Serial No: 10/579,114)
Filed: May 11, 2006)
Intl. App. No: PCT/JP2005/012436)
For: PHENANTHROLINE DERIVATIVE AND)
LIGHT EMITTING DEVICE USING THE)
SAME)

I hereby certify that this correspondence is
being deposited with the United States
Postal Service as first class mail in an
envelope addressed to:
Commissioner for Patents, P.O. Box 1450,
Alexandria, VA 22313-1450, on July 26,
2006

Cristie M. Hall

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: July 26, 2006

TRANSMITTAL

Dear Sir:

Enclosed herewith for filing in the above-identified case,
please find the following documents:

- 1) Request for Rectification of Obvious Error w/one
rectified sheet; and
- 2) Notification of Decision Concerning Request for
Rectification (PCT/ISA/217).

If any fee is required, please charge Deposit Account
50/1039.

Respectfully submitted,

Mark J. Murphy

Mark J. Murphy
Registration No. 34,225
Customer No: 26568

COOK, ALEX, McFARRON, MANZO,
CUMMINGS & MEHLER, LTD.
200 West Adams St., Suite 2850
Chicago, Illinois 60606
(312) 236-8500



REQUEST FOR RECTIFICATION
OF OBVIOUS ERROR



To: Commissioner of the Patent Office

1. Identification of the International Application
PCT/JP2005/012436

2. Applicant

Name: SEMICONDUCTOR ENERGY LABORATORY CO.,LTD.

Address: 398, Hase, Atsugi-shi, Kanagawa 2430036 Japan

Country of nationality: Japan

Country of residence: Japan



3. Item to be Rectified
Description

4. Subject Matter to be Rectified
Line 5 in page 9 of Description

“tetramethyljulolidine” is corrected to “tetramethyl-9-julolidyl”.

5. List of Attached Documents
Rectified sheet (1 sheet)

excellent in luminous efficiency and is capable of producing luminescence of a desired emission wavelength may be used. For example, when red or reddish luminescence is desired to be obtained, a material that produces luminescence with an emission spectrum peak from 600 nm to 680 nm, such as 4 - dicyanomethylene - 2 - isopropyl - 6 - [2 - (1, 1, 7, 7 - tetramethyl-9-julolidyl) - ethenyl] - 4H - pyran (abbreviation: DCJTI), 4 - dicyanomethylene - 2 - methyl - 6 - [2 - (1, 1, 7, 7 - tetramethyl - 9 - julolidyl) - ethenyl] - 4H - pyran (abbreviation: DCJT), 4 - dicyanomethylene - 2 - tert - butyl - 6 - [2 - (1, 1, 7, 7 - tetramethyl - 9 - julolidyl) - ethenyl] - 4H - pyran (abbreviation: DCJTB), periflanthene, or 2, 5 - dicyano - 1, 4 - bis - [2 - (10 - methoxy - 1, 1, 7, 7 - tetramethyl - 9 - julolidyl) - ethenyl] - benzene, can be used. When green or greenish luminescence is desired to be obtained, a material that produces luminescence with an emission spectrum peak from 500 nm to 550 nm, such as N, N' - dimethylquinacridone (abbreviation: DMQd), coumarin 6, coumarin 545T, or tris (8 - quinolinolato) aluminum (abbreviation: Alq₃), can be used. When blue or bluish luminescence is desired to be obtained, a material that produces luminescence with an emission spectrum peak from 420 nm to 500 nm, such as 9, 10 - di (2 - naphthyl) - 2 - tert - butylanthracene (abbreviation: t-BuDNA), 9, 9' - bianthryl, 9, 10 - diphenylanthracene (abbreviation: DPA), 9, 10 - di (2 - naphthyl) anthracene (abbreviation: DNA), bis (2 - methyl - 8 - quinolinolato) - 4 - phenylphenolato - gallium (abbreviation: BGaq), or bis (2 - methyl - 8 - quinolinolato) - 4 - phenylphenolato - aluminum (abbreviation: BAq), can be used.

[0031]

The material to be used for dispersing the luminescent material is not particularly limited. In addition to anthracene derivatives such as 9, 10 - di (2 - naphthyl) - 2 - tert - butylanthracene (abbreviation: t-BuDNA) and carbazole derivatives such as 4, 4' - bis (N - carbazolyl) - biphenyl (abbreviation: CBP), metal complexes such as bis [2 - (2' - hydroxyphenyl) - pyridinato] zinc (abbreviation: Znpp₂) and bis [2 - (2' - hydroxyphenyl) - benzoxazolato] zinc (abbreviation: ZnBOX) can be used.

[0032]

Although the first electrode 101 is not particularly limited, it is preferable that the first electrode 101 is formed by using a material that has a larger work function

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
SEMICONDUCTOR ENERGY LABORATORY
CO., LTD.

398, Hase, Atsugi-shi, Kanagawa
2430036 Japan

PCT

NOTIFICATION OF DECISION CONCERNING REQUEST FOR RECTIFICATION

(PCT Rule 91.1(f))

Date of mailing (day/month/year) 11.10.2005	
Applicant's or agent's file reference 00000PCT8010	REPLY DUE NONE However, see last paragraph below
International application No. PCT/JP2005/012436	International filing date (day/month/year) 29.06.2005
Applicant SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	

The applicant is hereby notified that this International Searching Authority has considered the request for rectification of obvious errors in the international application/in other papers submitted by the applicant to this Authority, and that it has decided:

1. ☒ to authorize the rectification:
☒ as requested by the applicant.
☐ to the extent set forth below*:

2. ☐ to refuse to authorize the rectification or part of it for the following reasons*:

A copy of this notification, together with a copy of the applicant's request for rectification, has been sent to the receiving Office and to the International Bureau.

* If the authorization of the rectification has been refused in whole or in part, the applicant may request the International Bureau, before the technical preparations for international publication have been completed and subject to the payment of a fee, to publish the request for rectification together with the international application. See Rule 91.1(f), third and fourth sentences, and, for the amount of the fee, see the *PCT Applicant's Guide*, Volume I/A, Annex B2(IB).

Name and mailing address of the ISA/JP Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Authorized officer Commissioner of the Patent Office Telephone No. +81-3-3581-1101 Ext. 3492	4 P	8 2 1 3
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Attorney Docket 0553-0499

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Ryoji NOMURA et al

Serial No: 10/579,114

Filed: May 11, 2006

For: PHENANTHROLINE DERIVATIVE AND
LIGHT EMITTING ELEMENT AND LIGHT
EMITTING DEVICE USING THE SAME

)
)
)
)
) **Art Unit:**
)
) **Examiner:**

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Commissioner for Patents, P.O. Box 1450,
Alexandria, VA 22313-1450, on July 26,
2006

Cristine M. Noel

Date: July 26, 2006

CORRECTION OF FORM 1449

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

On May 11, 2006, Applicant filed an information disclosure statement and PTO form 1449 which contained a typographical error.

Specifically, under “Foreign Patent Documents” on form 1449, the correct spelling of the applicant for documents WO 04/026870 and JP 2004-107263, is **Canon KK**, (not “Cannon KK”). Accordingly, we are submitting a new 1449 form with this information. No new material is being added.

If any fee is required in connection with this matter, please charge Deposit Account no. 50/1039.

Respectfully submitted,

Paul J. Mc

Mark J. Murphy
Registration No: 34,225
Customer No: 000026568

Date: July²⁶, 2006

COOK, ALEX, McFARRON, MANZO,
CUMMINGS & MEHLER, Ltd.
200 West Adams Street, Suite 2850
Chicago, Illinois 60606 (312) 236-8500



LIST OF PUBLICATIONS
CITED BY APPLICANT

Atty. Docket No.
0553-0499

Serial No.
10/579,114

Applicant
Ryoji NOMURA et al

Filing Date
May 11, 2006

Group

US PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
	WO 04/026870 JP 2004- 107263	04/01/04 04/08/04	Canon KK Canon KK	X		09/09/03 09/19/03

OTHER PUBLICATIONS

(Including Author, Title, Date, Pertinent Pages)

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EXAMINER:

DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.